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Frank C. Eisenschank  
Frank C. Eisenschank, Ph.D., Patent Attorney

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT**

Examining Group 1639

Patent Application

Docket No. TPI-T200XC1

Serial No. 09/756,092

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Examiner : Maurie Garcia Baker  
Art Unit : 1639  
Applicants : Michael J. Cima, Douglas Levinson, Anthony V. Lemmo, Nicholas Galakatos, David A. Putnam  
Serial No. : 09/756,092  
Filed : January 8, 2001  
For : High-Throughput Formation, Identification and Analysis of Diverse Solid Forms

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §§1.97 AND 1.98**

Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed.

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

Applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,



Frank C. Eisenschenk, Ph.D.

Patent Attorney

Registration No. 45,332

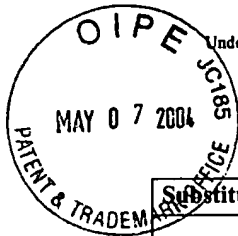
Phone No.: 352-375-8100

Fax No.: 352-372-5800

Address: 2421 N.W. 41st Street, Suite A-1  
Gainesville, FL 32606-6669

FCE/amh

Attachments: Form PTO/SB/08; copies of references cited therein.



Substitute for Form 1449	Atty Docket No.	TPI-T200XC1
	Application No.:	09/756,092
<b>Information Disclosure</b>	Inventor	Michael Cima
<b>Statement By Applicant</b>	Group	1639
	Filing Date	January 8, 2001

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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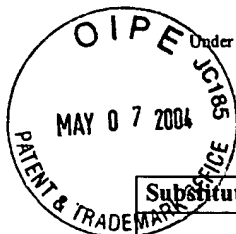
	A1	US- 6,487,523 B2	11-26-2002	Jarman et al.	Throughout
	B1	US- 5,956,137	09-21-1999	Lim et al.	Throughout
	C1	US- 2003/0124610	07-03-2003	Kvalheim et al.	Throughout
	D1	US- 6,003,029	12-14-1999	Agrawal et al.	Throughout
	E1	US- 2003/0124028 A1	07-03-2003	Carlson et al.	Throughout
	F1	US- 2003/0022234 A1	01-30-2003	Cawse et al.	Throughout
	G1	US- 5,463,564	10-31-1995	Agrafiotis et al.	Throughout
	H1	US- 2003/0033088 A1	02-13-2003	Agrafiotis et al.	Throughout
	J1	US- 6,434,490 B1	08-13-2002	Agrafiotis et al.	Throughout
	K1	US- 5,684,711	11-04-1997	Agrafiotis et al.	Throughout
	L1	US- 5,901,069	05-04-1999	Agrafiotis et al.	Throughout
	M1	US- 5,574,656	11-12-1996	Agrafiotis et al.	Throughout
	N1	US- 6,175,816 B1	01-16-2001	Flavin et al.	Throughout
	O1	US- 2001/0036640 A1	11-01-2001	D'Amico	Throughout
	P1	US- 2002/0183938 A1	12-05-2002	Kobylecki et al.	Throughout
	Q1	US- 3,932,131	01-13-1976	Rolfo-Fontana	Throughout
	R1	US- 5,999,255	12-07-1999	Dupee et al.	Throughout
	S1	US- 6,421,553 B1	07-16-2002	Costa et al.	Throughout
	T1	US- 2003/0219906	11-27-2003	Giaquinta et al.	Throughout
	U1	US- 6,333,501 B1	12-25-2001	Labrenz	Throughout
	V1	US- 6,327,334 B1	12-04-2001	Murray, Jr.	Throughout
	W1	US- 6,140,643	10-31-2000	Brown et al.	Throughout
	X1	US- 6,327,334 B1	12-04-2001	Murray, Jr. et al.	Throughout
	Y1	US- 2003/0119060	06-26-2003	Desrosiers et al.	Throughout
	Z1	US- 6,100,901	08-08-2000	Mohda et al.	Throughout
	A2	US- 5,832,182	11-03-1998	Zhang et al.	Throughout
	B2	US- 5,956,137	09-21-1999	Lim et al.	Throughout

Examiner Signature		Date Considered
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		Application No.:	09/756,092
Information Disclosure		Inventor	Michael Cima
Statement By Applicant		Group	1639
		Filing Date	January 8, 2001

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Country Code<sup>3</sup> Number<sup>4</sup> Kind Code<sup>5</sup> (if known)

	C2	WO 03/014732 A1	02-20-2003	Symyx Technologies	Throughout
	D2	WO 01/34290 A2	05-17-2001	SRI International	Throughout.

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<b>Substitute for Form 1449</b>	Atty Docket No.	TPI-T200XC1
	Application No.:	09/756,092
<b>Information Disclosure</b>	Inventor	CIMA, M.
<b>Statement By Applicant</b>	Group	1639
	Filing Date	January 8, 2001
<b>NON PATENT LITERATURE DOCUMENTS</b>		

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sub>2</sub>
	E2	Aldridge, P.K. <i>et al.</i> , "A Robotic Dissolution System with On-Line Fiber-Optic UV Analysis", <i>Journal of Pharmaceutical Sciences</i> , 84:8: (1995).	
	F2	Andersen, G. <i>et al.</i> , "A Spreadsheet Approach to Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 29:236-240 (1996).	
	G2	Anquetil, P.A. <i>et al.</i> , "Laser Raman Spectroscopic Analysis of Polymorphic Forms in Microliter Fluid Volumes", <i>Journal of Pharmaceutical Sciences</i> , Vol. 92:1: 149-160 (2003).	
	H2	Beckmann, W. <i>et al.</i> , "The Effect of Additives on Nucleation: A Low Cost Automated Apparatus", <i>Journal of Crystal Growth</i> , 99:1061-1064 (1990).	
	I2	Brodersen, D. <i>et al.</i> , "XAct: a program for construction, automated setup and bookkeeping of crystallization experiments", <i>Journal of Applied Crystallography</i> , 32:1012-1016 (1999).	
	J2	Bullock, E. & Pyatt, E.C., "Apparatus for the growth of crystals from small volumes of solution", <i>Journal of Physics E- Scientific Instruments</i> , Vol. 5: 412-413 (1972).	
	K2	Casay, G. <i>et al.</i> , "Laser scattering in a hanging drop vapor diffusion apparatus for protein crystal growth in a microgravity environment", <i>J. of Cryst. Growth</i> , 122:95-101 (1992).	
	L2	Chayen, N. <i>et al.</i> , "An Automated System for Micro-Batch Protein Crystallization and Screening", <i>J. App. Cryst.</i> , 23:297-302 (1990).	
	M2	Chayen, N. <i>et al.</i> , "New Developments of the IMPAX Small-Volume Automated Crystallization System", <i>Acta Cryst.</i> , D50:456-458, (1994).	
	N2	Cox, J. <i>et al.</i> , "Experiments with Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 20:366-373 (1987).	

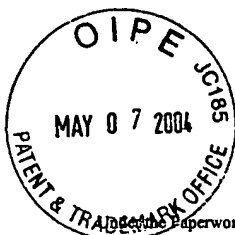
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Substitute for Form 1449	Atty Docket No.	TPI-T200XC1
	Application No.:	09/756,092
<b>Information Disclosure</b>	Inventor	CIMA, M.
<b>Statement By Applicant</b>	Group	1639
	Filing Date	January 8, 2001
<b>NON PATENT LITERATURE DOCUMENTS</b>		

	<b>O2</b>	Cudney, B. <i>et al.</i> , "Screening and Optimization Strategies for Macromolecular Crystal Growth", <i>Acta Cryst.</i> , D50:414-423, (1994).	
	<b>P2</b>	Davis, G.F. <i>et al.</i> , "Comparison of High Throughput Screening Technologies for Luminescence Cell-Based Reporter Screens", <i>Journal of Biomolecular Screening</i> , Volume 7: Number 1, (2002).	
	<b>Q2</b>	Frank, Ronald, "Simultaneous and combinatorial chemical synthesis techniques for the generation and screening of molecular diversity," <i>Journal of Biotechnology</i> , 41:259-272 (1995).	
	<b>R2</b>	Gilliland, G. <i>et al.</i> , "Screening for Crystallization Conditions and Robotics", <i>Acta Cryst.</i> , D50:408-413 (1994).	
	<b>S2</b>	Gonzalez, F. <i>et al.</i> , "Crocodile: An Automated Apparatus for Organic Crystal Growth From Solution", <i>Acta Astronautica</i> , 25:12:775-784 (1991).	
	<b>T2</b>	Jancarik, J. <i>et al.</i> , "Fast Communications", <i>J. of App. Cryst.</i> , 24: 409-411 (1991).	
	<b>U2</b>	Kelders, H. <i>et al.</i> , "Automated protein crystallization and a new crystal form of a subtilisin: eglin complex", <i>Protein Engineering</i> , Vol. 1:4:301-303, (1987).	
	<b>V2</b>	Kuball, M., "Raman Spectroscopy of GaN, AlGaIn and AlN for process and growth monitoring/control ", <i>Surface and Interface Analysis</i> , 31:987-999 (2001).	
	<b>W2</b>	Lindsey, J. <i>et al.</i> , "Robotic work station for microscale synthetic chemistry: On-line absorption spectroscopy, quantitative automated thin-layer chromatography, and multiple reactions in parallel", <i>Rev. Sci. Instrum.</i> , 59:6:940-950(1998).	
	<b>X2</b>	McPherson, A., "Two approaches to the rapid screening of crystallization conditions", <i>Journal of Crystal Growth</i> , 122:161-167 (1992).	
	<b>Y2</b>	Morris, D. <i>et al.</i> , "Automation of Protein Crystallization Trials: Use of a Robot to Deliver Reagents to a Novel Multi-Chamber Vapor Diffusion Plate", <i>Biotechniques</i> , Vol. 7:5:522-527 (1989).	
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Information Disclosure	Inventor	CIMA, M.
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<b>NON PATENT LITERATURE DOCUMENTS</b>		

Z2	Newman, Alan, "Send in the Robots", <i>Analy. Chem.</i> , 62:1:29-34 (1990).	
A3	Oldfield, T. <i>et al.</i> , "A Flexible Approach to Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 24:255-260 (1991).	
B3	Petty, C. <i>et al.</i> , "The use of FT-Raman Spectroscopy in the Study of Formulated Pharmaceuticals", Nicolet Instruments Pamphlet undated.	
C3	Rosch, P. <i>et al.</i> , "Chemotaxonomy of Mints of Genus <i>Mentha</i> by Applying Raman Spectroscopy", Wiley InterScience - <a href="http://www.interscience.wiley.com">www.interscience.wiley.com</a> DOI:10.1002/bip.10099 (2002).	
D3	Rubin, B. <i>et al.</i> , "Minimal intervention robotic protein crystallization", <i>Journal of Crystal Growth</i> , 110: 156-163 (1991).	
E3	Stewart, P. <i>et al.</i> , "Practical experimental design techniques for automatic and manual protein crystallization", <i>Journal of Crystal Growth</i> : 196:665-673, (1999).	
F3	Sobriano, T.M. <i>et al.</i> , "ASTEC: an Automated System for Sitting-Drop Protein Crystallization," <i>Journal of Applied Crystals</i> , 26: 558-562 (1993).	
G3	Tisone, T., "Dispensing systems for miniaturized diagnostics", <i>IVD Technology</i> , 1998.	
H3	Van de Poll, S.W.E. <i>et al.</i> , "In Situ investigation of the chemical composition of ceroid in human atherosclerosis by Raman spectroscopy", <i>Journal of Raman Spectroscopy</i> , 33:544-551 (2002).	
I3	Wehrens, R., <i>et al.</i> , "Mixture Modelling of medical magnetic resonance data", <i>Journal of Chemometrics</i> , 16:274-282 (2002).	
J3	Yakovlev, Y. <i>et al.</i> , "A Laboratory Apparatus for Crystal Growth from Solution", <i>Instruments and Experimental Techniques</i> , Vol. 41:2: 292-296 (1998).	
K3	Zeelen, J. <i>et al.</i> , "Crystallization Experiments with 2-Enoyl-CoA Hydratase, Using an Automated 'Fast-Screening' Crystallization Protocol", <i>Acta Cryst.</i> , D50:443-447 (1994).	

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